

Matteo Mazzotti

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

382
citations

840776

11
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Guided waves dispersion analysis for prestressed viscoelastic waveguides by means of the SAFE method. <i>International Journal of Solids and Structures</i> , 2012, 49, 2359-2372.	2.7	96
2	A coupled SAFE-2.5D BEM approach for the dispersion analysis of damped leaky guided waves in embedded waveguides of arbitrary cross-section. <i>Ultrasonics</i> , 2013, 53, 1227-1241.	3.9	56
3	Band structure analysis of leaky Bloch waves in 2D phononic crystal plates. <i>Ultrasonics</i> , 2017, 74, 140-143.	3.9	31
4	Exceptional points and enhanced sensitivity in PT-symmetric continuous elastic media. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 149, 104325.	4.8	30
5	Structural condition assessment of a bridge pier: A case study using experimental modal analysis and finite element model updating. <i>Structural Control and Health Monitoring</i> , 2019, 26, e2273.	4.0	27
6	Modeling Bloch Waves in Prestressed Phononic Crystal Plates. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	26
7	Experimental identification of high order Lamb waves and estimation of the mechanical properties of a dry human skull. <i>Ultrasonics</i> , 2021, 113, 106343.	3.9	21
8	Experimental Observation of a Large Low-Frequency Band Gap in a Polymer Waveguide. <i>Frontiers in Materials</i> , 2018, 5, .	2.4	19
9	Melt ceramics from coal ash: Constitutive product design using thermal and flow properties. <i>Resources, Conservation and Recycling</i> , 2018, 132, 168-177.	10.8	16
10	A multiplicative regularized Gauss-Newton method with trust region Sequential Quadratic Programming for structural model updating. <i>Mechanical Systems and Signal Processing</i> , 2019, 131, 417-433.	8.0	16
11	Hierarchical large-scale elastic metamaterials for passive seismic wave mitigation. <i>EPJ Applied Metamaterials</i> , 2021, 8, 14.	1.5	14
12	A numerical method for modeling ultrasonic guided waves in thin-walled waveguides coupled to fluids. <i>Computers and Structures</i> , 2019, 212, 248-256.	4.4	10
13	Radiation Characteristics of Cranial Leaky Lamb Waves. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 2129-2140.	3.0	10
14	Skull microstructure and mode conversion in transcranial ultrasound imaging. , 2021, , .		4
15	Characterization of bridge substructures explored by leveraging structural identification of a scaled bridge model. <i>Engineering Structures</i> , 2021, 246, 112953.	5.3	2
16	Matrix Pencil Estimation of Guided Waves Dispersion in a Human Skull. , 2020, , .		2
17	Restrictions and obstructions detection in pipe networks using incomplete and noisy flow and pressure steady-state measurements. <i>Structural Control and Health Monitoring</i> , 2022, 29, e2854.	4.0	1
18	Radiation Characterization of Leaky Guided Waves in Monolithic and Sutured Cranial Bones. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Mechanical Characterization of Cranial Sutures Using Guided Ultrasonic Waves. , 2021, , .		0